

PENDING CLAIMS AS AMENDED

Please amend the claims as follows:

Please cancel claims 1-27, without prejudice.

Please add new claims 28-37 as shown below.

The following is a complete list of claims presented in this response.

COMPLETE LISTING OF ALL CLAIMS

Claims 1-27 (Cancelled)

28. (New) A method for processing a telephone call from a first subscriber unit that is part of a first wireless telephone system, the method comprising:

receiving a request to make the telephone call to a second subscriber unit;

determining whether the second subscriber unit is part of the first wireless telephone system;

routing vocoded data from the first subscriber unit to the second subscriber unit within the first wireless telephone system if the second subscriber unit is part of the first wireless telephone system; and

converting the vocoded data into tones and routing the tones through a wire-based telephone system to the second subscriber unit if the second subscriber unit is part of a second wireless telephone system.

29. (New) The method as set forth in claim 28, wherein converting and routing further comprising:

signaling to the second wireless system that the vocoded data will be transmitted in tones.

30. (New) The method as set forth in claim 28, wherein converting and routing further comprising:

establishing an all digital link to the second wireless telephone system; and
delivering the vocoded data to the second wireless system over the all digital link.

31. (New) An apparatus for processing a telephone call from a requesting subscriber unit that is part of a first wireless telephone system directed to a receiving subscriber unit, the apparatus comprising:

signal routing circuitry;

signal processing circuitry for processing vocoded data; and

a call control processor coupled to said signal processing circuitry and said signal routing circuitry, the call control processor to configure the signal routing circuitry to bypass the signal processing circuitry and route the vocoded data to the receiving subscriber unit within the first wireless telephone system if the receiving subscriber unit is part of the first wireless subscriber system, to configure the signal processing circuitry to convert the vocoded data into tones and configure the signal routing circuitry to deliver the tones to the receiving subscriber unit through a wire-based system if the receiving subscriber unit is part of a second wireless telephone system.

32. (New) The apparatus as set forth in claim 31 wherein the call control processor requests an all digital connection to the receiving subscriber unit if the receiving subscriber unit is part of the second wireless telephone system, and wherein the call control processor configures the signal routing circuitry to deliver the vocoded data to the receiving subscriber unit through the all digital connection.

33. (New) The apparatus as set forth in claim 32 wherein the all digital connection passes through a local public switched telephone network and a long distance telecommunication system.

34. (New) The apparatus as set forth in claim 32 wherein the all digital connection comprises an asynchronous transfer mode (ATM) network.

35. (New) An apparatus for processing a telephone call from a first subscriber unit that is part of a first wireless telephone system, the apparatus comprising:

means for receiving a request to make the telephone call to a second subscriber unit;

means for determining whether the second subscriber unit is part of the first wireless telephone system;

means for routing vocoded data from the first subscriber unit to the second subscriber unit within the first wireless telephone system if the second subscriber unit is part of the first wireless telephone system; and

means for converting the vocoded data into tones and routing the tones through a wire-based telephone system to the second subscriber unit if the second subscriber unit is part of a second wireless telephone system.

36. (New) The apparatus as set forth in claim 35, wherein means for converting and routing further comprising:

means for signaling to the second wireless system that the vocoded data will be transmitted in tones.

37. (New) The apparatus as set forth in claim 35, wherein means for converting and routing further comprising:

means for establishing an all digital link to the second wireless telephone system;

and

means for delivering the vocoded data to the second wireless system over the all digital link.